

The following claims are presented for examination:

1. (currently amended) An apparatus for therapeutic treatment of a patient ~~[[(2)]]~~ using magnetic fields ~~(80, 81, 55B, 56B)~~ comprising:

~~at least one a~~ first device ~~[[(30B)]]~~ for production of a first magnetic treatment field ~~(80, 81, 55B, 56B)~~ within a first treatment area ~~[[(50B)]]~~;

a second device for production of a second magnetic treatment field within a second treatment area;

a rest ~~[[(1C)]]~~ for the patient ~~[[(2)]]~~ to lie on, in such a manner that a body region of the patient ~~[[(2)]]~~ to be treated is positioned in the first treatment area ~~[[(50B)]]~~ once the patient ~~[[(2)]]~~ is in place on the apparatus and the apparatus is in an operating position; and

~~at least one a~~ first cantilever arm ~~(4B)~~, which projects and a second cantilever arm, the first cantilever arm and the second cantilever arm projecting out of the plane defined by the rest ~~[[(1C)]]~~, with the first device ~~[[(30B)]]~~ being arranged on the first cantilever arm ~~[[(4B)]]~~ in order to produce the first magnetic treatment field and the second device being arranged on the second cantilever arm, with the apparatus having a movement device ~~(3A, 4A)~~ on which the first and second cantilever arms ~~(4B, 4C)~~ are suspended, in order to move the first and second devices ~~(30B, 30C)~~ essentially along the body axis ~~[[(1)]]~~ of the patient ~~[[(2)]]~~, and with the movement device ~~(3A, 4A)~~ having at least one rail ~~(9A, 9B)~~, which is attached to the rear face ~~[[(1G)]]~~ of the rest ~~[[(1C)]]~~, and with the first and second cantilever arms ~~(4B, 4C)~~ being attached to a carriage ~~(8A, 8B)~~ which is arranged on the at least one rail ~~(9A, 9B)~~ such that it can move along the rest ~~[[(1C)]]~~.

2. (currently amended) The apparatus of claim 1, with the apparatus being in the form of a treatment seat ~~[[(1)]]~~, and the rest ~~[[(1C)]]~~ being formed by the backrest of the treatment seat ~~[[(1)]]~~.

3. (currently amended) The apparatus of claim 1, with the first cantilever arm ~~[[(4B)]]~~ comprising a contact section ~~[[(45B)]]~~, which is at a distance from the rest and on which the first device ~~[[(30B)]]~~ for production of the first magnetic treatment field is arranged, and which contact section ~~[[(45B)]]~~ is suspended such that it can move, and can make contact with the body region of the patient to be treated.

4. (currently amended) The apparatus of claim 1, with the first cantilever arm ~~[[4B]]~~ being fitted to the apparatus such that it can pivot.

5. (currently amended) The apparatus of claim 1, with the first cantilever arm ~~[[4B]]~~ being designed such that it can pivot on a plane transversely with respect to the rest plane, and making contact with the patient ~~[(2)]~~ at the side.

6. (currently amended) The apparatus of claim 1, with the first cantilever arm and the second cantilever arm having a plurality of joints ~~[(44B)]~~ which form a joint chain.

7. (currently amended) The apparatus of ~~claim 1~~ claim 6, with a stabilization strip being woven through the joint chain.

8. (currently amended) The apparatus of claim 1, with the first cantilever arm ~~[(4B)]~~ having an outer casing, and the first device ~~[(30B)]~~ for production of the first magnetic treatment field, and the joints ~~[(44B)]~~ being arranged within the casing.

9. (currently amended) The apparatus of claim 1, with the first cantilever arm ~~[(4B)]~~ having an essentially flat cross section and being able to make contact with the body region of the patient ~~[(2)]~~ to be treated with its flat face by means of the pivoting process.

10. (canceled)

11. (currently amended) The apparatus of claim 1, with the apparatus having a third device ~~[(30A)]~~ for production of a third magnetic treatment field in a third treatment area ~~[(50A)]~~, with the third device ~~[(30A)]~~ being arranged on the rest ~~[(1C)]~~, and with the first, second and third devices ~~(30B, 30C, 30A)~~ being arranged essentially in a U-shape.

12. (currently amended) The apparatus of claim 1, with the first and second devices ~~(30B, 30C)~~ being arranged at the side of the head ~~[(2A)]~~ of the patient ~~[(2)]~~ and the third device ~~[(30A)]~~ being arranged in the area of the back of the head or the spinal column of the patient ~~[(2)]~~, when the patient is in position on the apparatus and the apparatus is in the operating position.

Claims 13 – 14 (canceled)

15. (currently amended) The apparatus of claim 1, having a locking device ~~(7, 11, 12)~~ in order to lock the movement of the carriage ~~(8A, 8B)~~.

16. (currently amended) The apparatus of claim 1, with the first and second cantilever arms ~~(4B, 4C)~~ being detachably attached to the movement device ~~(3A, 4A)~~ in order to replace the first and second cantilever arms ~~(4B, 4C)~~.

17. (currently amended) The apparatus of claim 1, with the first device ~~[[(30B)]]~~ for production of the first magnetic treatment field having ~~at least one first (51B) a first magnetic field generator~~ and ~~a second (52B, 53B)~~ magnetic field generator, with the first and second magnetic field generators respectively being in the form of a first and second coil system.

18. (currently amended) The apparatus of ~~claim 1~~ claim 17, with the first magnetic treatment field being formed by a superimposition of the magnetic field ~~(80, 81, 55B, 56B)~~ of the first and second magnetic field generators ~~(51B, 52B, 53B)~~ and with these two magnetic fields being superimposed essentially at right angles in the first treatment area ~~[[(50B)]]~~.

19. (currently amended) The apparatus of ~~claim 1~~ claim 17, with the first device ~~[[(30B)]]~~ for production of the first magnetic treatment field having an essentially flat cross section, and the coils of the first and second coil system being arranged on the same plane as that which forms the coil plane ~~[[(7-7)]]~~, with the coil plane being arranged transversely with respect to the rest plane.

20. (currently amended) The apparatus of ~~claim 1~~ claim 17, with the first coil system having a basic coil ~~[[(51B)]]~~ and the second coil system having two RF coils ~~(52B, 53B)~~.

21. (currently amended) The apparatus of ~~claim 1~~ claim 20, with the two RF coils ~~(52B, 53B)~~ being arranged alongside one another and being connected in opposite senses.

22. (currently amended) The apparatus of ~~claim 1~~ claim 20, with the two RF coils ~~(52B, 53B)~~ being arranged parallel within the coil opening of the basic coil ~~[[(51B)]]~~.

23. (currently amended) The apparatus of ~~claim 1~~ claim 20, with the two RF coils ~~(52B, 53B)~~ producing an alternating magnetic field during operation.

24. (currently amended) The apparatus of ~~claim 1~~ claim 20, with the first device ~~[[(30B)]]~~ for production of the first magnetic treatment field forming an arrangement for production of nuclear magnetic resonance, with the basic coil ~~[[(51B)]]~~ producing a basic magnetic field ~~(80, 55B)~~ during operation, in which the nuclei to be excited ~~precess in~~ precession, and a resonant alternating electromagnetic field ~~(81, 56B)~~ is injected by means of the RF coils ~~(52B, 53B)~~.

25. (currently amended) The apparatus of claim 1, with the magnetic induction of the basic magnetic field ~~[[(B0)]]~~ being between 0.1 Gauss and 1000 Gauss, ~~in particular between 1 Gauss and 100 Gauss.~~

26. (previously presented) The apparatus of claim 1, having means for periodic production of nuclear magnetic resonances.

27. (currently amended) The apparatus of ~~claim 1~~ claim 26, with the repetition frequency of ~~the periodic nuclear magnetic resonance excitation being the excitation of the nuclear magnetic resonances being in the range of~~ 1 Hz to 1000 Hz, ~~in particular 5 Hz to 40 Hz.~~

Claims 28 – 30 (canceled)

31. (currently amended) A method for therapeutic treatment of jaw arthrosis, parodontitis, degenerative jawbone changes or to assist the ingrowth of implants of a living body, the method comprising ~~injecting magnetic fields into the living body~~ treating the living body by using the apparatus of claim 1.

32. (currently amended) A method for therapeutic treatment of tinnitus of a living body, the method comprising ~~injecting magnetic fields into the living body~~ treating the living body by using the apparatus of claim 1.

33. (canceled)

34. (currently amended) The method of claim 31, with collagen formation in the living body being achieved by means of magnetic fields producible by using the apparatus of claim 1.